

Urive Albatross ^{mini}

User manual



This is an auxiliary product for safe driving.
The Manufacturer is not held responsible for liability arising from an accident.
Use the product in accordance with the intended use.

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01

Before getting started with Urive Albatross Mini

Urive Albatross Mini is a safety assistance device for vehicle that records front and rear image and sound of when driving and parking.

- Urive Albatross Mini is a trademark of MiDong E&T Co., Ltd.
- All descriptions and contents included in this manual are protected by relevant copyright laws.
- All other products and services used in this manual are the registered trademarks of their respective owners.
- All the program rights used in the product belong to MiDong E&T Co., Ltd. and are protected according to relevant copyright laws.
- This manual is based on current conditions and may include technical or editorial errors and omissions.
- Some changes can be made in the product to improve Urive Albatross Mini's performance even without prior notice to users.
- The images used in the manual may look different from the actual screen displays depending on the printing quality.
- It is recommended that users should read this manual carefully before using the product to use the device properly and Safely.
- For your own safety, please do not operate the device while driving

- The user manual can be changed without a prior notice to users for the purpose of improving the performance of the functions of the product.

02

Precautions before using the product

● Warranty and Coverage

- This product is a safety assistance device for a vehicle. The user is liable for any malfunction, failure, accident and damage to product and car.
- Depending on the driving conditions, vehicle type, and navigation environments, some functions may not be supported. Functional support related to firmware updates for more reliable and advanced quality may vary by product. In addition, please use this apparatus as a reference to check the driving video since the video recording function may not work in some environments or conditions
- This product does not guarantee that it records all videos of accidents and any accidents caused by an impact not big enough to trigger the impact sensor (G-SENSOR) may not be identified as an impact video and, consequently, may not be recorded.

● Micro SD Memory Card

- Please check Micro SD memory card at least once a week and normal operation
- Please format Micro SD memory card at least twice a month for normal operation
- It is highly recommended to use genuine Urive Micro SD memory card.
- If the micro SD memory card is inserted forcibly into the wrong direction, the card and main body may be damaged.
- Use 64GB Micro SD memory card after formatting the card with Urive PC viewer or Albatross Mini main body.

Generally, the memory card has a lifetime during which it can be used (6 months are guaranteed). If it has been used for a long period of time, it would be impossible to store new data. In that case, users need to buy a new memory card for using the product. It should be understood in advance that the company will not be held responsible, at all, for data loss due to long-time use. Removing the memory card or turning its power off while the recording is in progress may cause stored data at the last stage to be deleted. The company will not be held responsible for it at all. It is recommended to copy and store important data into other recording units.

Precautions when using the product

The following instructions are given to ensure your safety and prevent the loss of property. Read them thoroughly and ensure the product is correctly used. The user is liable for any damage to the product or the car resulting from failure to follow this instruction.



Warning - violation of the instruction may cause death or serious human injury.

- Do not remodel or cut the power cable. It may result in damage to the product or the car. The user is liable for any damage to the product or the car caused by the remodeling or cutting of the power cable.
- Do not use out of rated voltage. Users may be damaged caused by fire or electric shock.
- Do not touch the power cable with wet hands. It may result in electrical shock.
- Do not disassemble or apply shock on it arbitrarily. It may cause damage to the product.
- If the product is not used for a long time, please detach the power cable from the product or the car. The user is liable for any damage to the product caused by the remaining of the power cable.
- Refrain from installing or manipulating the product while driving. It may result in an accident.





Precaution - Minor injuries or insignificant damage to the product could be caused if violating the instructions

- Do not use the product for a long period of time while connected to the electrical power of the vehicle directly.
Otherwise, the battery could be discharged.
- Be careful about a reflective device, such as a navigation device or a hi-pass terminal.
The screen will be reflected on the windshield, causing the input of video to be interfered with. In that case, the quality of video may be degraded.
- Apply the dual-side tape firmly when installing the product.
Its position can be changed when used for a long period of time or due to the vibration from the vehicle, possibly causing the performance to be degraded.
- Take precautions when installing the external camera.
When installing it on the rear window, the quality of video will vary depending on the density of the tinted film.
- Keep the windshield clean in front of the front camera lens always.
If the video that is improperly recorded due to impurities is fed, the recording of the video while driving will not take place normally.
Users should pay attention to it.
- Recording may not take place normally when using a non-certified micro SD card.
The memory card must be inserted or removed while the power cable is disconnected.
- Back up the stored file periodically.
When the memory usage exceeds a certain level, files will be deleted starting with the oldest ones while new ones are saved. Considering that, it is required to back up the stored files periodically to prevent necessary ones from being removed.
- Keep the memory card separately when a car accident occurs or when the card is checked for any damage .
When the black box is used continuously and the memory usage level exceeds a certain level, files will be deleted starting with the oldest ones in individual folders while new ones are stored, which could cause necessary files to be deleted.

04

Features

- High-quality video recording with clear images and an optimal viewing angle
 - Resolution: Front 1280x720, Rear 1280x720
 - Viewing angle(diagonal): Front 120°, Rear 105°
- Full touch LCD screen with smart GUI
 - The front and rear real time video and recorded video files can be viewed on a 3.0-inch wide LCD screen. In addition, thanks to a smart GUI-based touch method, environment setting and SD card formatting can be carried out directly from the LCD screen.
- Real time image check and record on 3" LCD screen
 - Real time image check and record on 3" LCD screen with PIP (Picture-in-picture) and Drag-and-drop for front and rear images. System configuration and SD card format available with a touch.
- Formatting on the LCD function is supported
 - The auto format function is supported on the Albatross Mini's touch LCD.
- Driving Mode
 - Records videos in 1minute segment.
- Event (Impact) Mode
 - Detects impact and saves 20 second of video with built-in 3D G-Sensor (10 seconds before and after the impact) in the event folder in driving mode.

- **Manual (Forced) Mode**

Saves 20 second of video in driving mode by touching “Manual Recording” button on the screen (10 seconds before and after the touch) in the event folder.

- **Intelligent parking monitoring**

Records automatically video with motion detector, a differentiated technology from Urive, when the car gets shock or detects any motion near the car while the car is parked.

- **Automated memory management**

The system overwrites sequentially from the oldest files to record and save the latest driving, events and parking surveillance regardless of the volume limit of memory card.

- **Genuine Urive Albatross Mini PC viewer**

Urive Albatross Mini PC viewer provides convenient file play, system configuration and firmware update functions with stylish GUI.

- **Battery discharge protection device**

In order to prevent a car battery from discharge during the parking mode, Urive Albatross Mini has parking timer and voltage cut-off setting mode. If the voltage is lower than the set volume, it executes the voltage cut-off automatically for preventing the car discharging. Users can set the cut-off voltage in the dedicated viewer. (cut off voltage: 5steps, timer: 5 steps)

- Voice announcement and voice recording

- Auto-saver

- 1) The auto-saver function allows the LCD to be turned off for its safe use when the car's internal temperature rises (above the guaranteed LCD temperature). While the LCD is turned off, if the recording continues and the temperature decreases to the deactivating level, the LCD screen will be turned on automatically.
- 2) The voice announcement: LCD off caused of high temperature.
 - Announcement : "The LCD has been shut down due to the high temperature."
- 3) The LCD OFF caroused of high temperature should be kept until the temperature decrease even when the car engine start.
- 4) The Announcement is announced when the LCD OFF caroused of high temperature.
 - This announcement is announced only in the driving mode.
- 5) The LCD OFF coursed of high temperature with the Announcement in the driving mode. The temperature decreases, the LCD screen will be turned on automatically.
- 6) The drive recorder is power off in the parking mode when the temperature is awfully high.

Components

Please check if all the basic components below are packed in the gift box before use.
If any of the components are missing or damaged, please contact your retailer.

Basic Components



Vehicle drive recorder and holder



Rear camera and cable(6m)



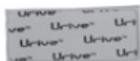
Power cable



Urive MicroSD memory card



MicroSD Card Reader



Double-sided Adhesive Tape



Allen Key



User's Manual

Optional Accessories



GPS Module



Cigar Jack Power cable

- Components are subject to change for performance and quality improvement without prior notice.
- (The images for user's understanding can be different from the real one)

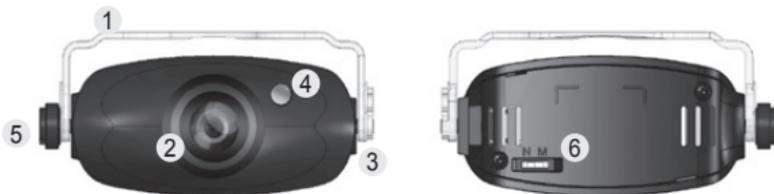
Names of Parts and Function Description (Main Body)



Part names and functions (front camera)

Names	Functions
① Holder	Transparent main body holder
② Camera Lens	2M Pixel Front Camera Lens
③ Security LED	High-luminance blue LED for indicating the operational state and providing security effect
④ DC Power Port	Port for connecting the power cable
⑤ External GPS connection port (GPS)	Port for connecting the external GPS module
⑥ Rear camera connection port (CAM)	5-pin micro-USB port for connecting the rear camera
⑦ LCD screen	3-inch LCD screen for playing back recorded videos or manipulating the device
⑧ Embedded microphone	For recording the audio while recording the video
⑨ SD card insertion slit	For inserting the micro SD card, a storage device.
⑩ Power switch	For turning on and off the power
⑪ Embedded speaker	For providing voice notifications
⑫ State indication LED	Green LED for indicating the continuous mode

Names of Parts and Function Description (Rear Camera)



Name	Functions
① Holder	Transparent Holder
② Camera Lens	2M pixel rear camera Lens
③ Connecting Port	Connecting to main body (mini USB 5 pins)
④ Security LED	Showing working status and the car is secured (High brightness blue LED)
⑤ Fixing Screw	Fixing rear camera to holder
⑥ Rear view reverse switch	N : normal mode / M : reverse

07

Features and Connectors

● Features

Operation	State	Voice notification	LED Indication
ACC ON (Driving Mode)	Driving mode starts after booting	"Start recording"	<ul style="list-style-type: none">- Blue LED turns on while booting and blinks after booting.- Green LED of main body turns on.- Blue LED of rear camera turn off.
Updating	Update starts via MicroSD memory card	"Start updating" "Ring (finished)"	<ul style="list-style-type: none">- Blue LED of main body blinks while updating- Blue LED turns off after updating- Blue LED turns on after rebooting
ACC OFF (Parking Mode)	A 20-second long video, taken 10 seconds before an accident to 10 seconds after it, will be recorded when a motion or a shock is detected by the front or (and) rear camera(s)	"Converting to parking mode"	<ul style="list-style-type: none">- Blue LED blinks every one second in parking mode- Blue LED blinks four times a second while saving video after detecting motion- Blue LED blinks six times a second while saving video upon impact
Power Cable Disconnected / Power Switch Off	The last video will be recorded using the backup battery before the power is turned off.	"Ring"	-

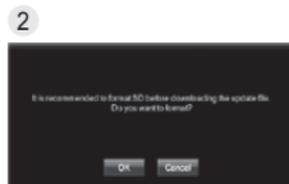
● Port pin arrangement

Ports	Images	Pin arrangement
Power port (DC socket)		① GND ② ACC ③ BAT (B+)
GPS port(2.5 pie)		① VCC(3.6~6V DC) ② Rx ③ GND ④ Tx(GPS Signal Output)
Front camera connection port(Micro USB 5P)		① VCC(5.0V DC) ② Video signal - ③ Video Signal + ④ No use ⑤ GND
Rear camera connection port(Micro USB 5P)		① VCC(5.0V DC) ② Video signal - ③ Video Signal + ④ No use ⑤ GND

Firmware Update

[Automatic Update]

1. The system can be updated in Urive Albatross Mini PC viewer. Insert MicroSD memory card to the reader and connect to PC. Execute the PC viewer. Press the button  at the top left corner of the viewer window.
2. Check the firmware version at the Urive Albatross program information window. And then formatting the memory card in the PC or Viewer. (But after formatting, users cannot check the firmware version.)
3. Check the driver's location which is connected with memory card at the Urive Albatross Mini program information window. After pushing the update button, the upgrade files(MD7200E.bin) save automatically at the memory card.



5



6



7



8



9

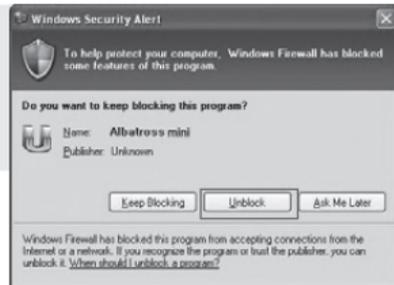


10



<Notice>

- When the Windows security message pops up, press "Unblock" button to proceed firmware upgrade.
when users push the 'Keep Blocking' button, auto-update would be failed cause of windows safety issue.



- Switch off the main body and insert the memory card into the main body.
- Switch on the main body. Update starts with a voice "Update starting".
it shows firmware upgrade image as below. "Update ends with "Ring" and the system reboots automatically.
- When the system reboots the system creates designated folders in the formatted memory card.

Upgrading firmware.
It restarts automatically
after it is completed.
Do not turn off the power.

<Notice>

- The system preserves the previous setting when the system is updated in Urive Albatross Mini main body.

09 Installation Precautions

- ❶ It is recommended to install the device in an area with a flat surface. The ignition must be turned off while installing.
- ❷ As the product is powered by car battery, it is required to check battery power whether the front and rear videos are saved normally before the process of installation.
- ❸ When installing external camera, the DC power cable must be disconnected from the main body.
- ❹ All components required for installation are provided with the Product. Check the components and read the instructions before installation.
- ❺ Check if the SD Card is correctly inserted, and then connect power.
- ❻ Do not install the product in a location that hinders your driving or road-visibility.
- ❼ Try to conceal cables for tidiness and safety.
- ❽ Keep the windshield clean always.
- ❾ Install the Product in a safe and bright area.
- ❿ When the deep color sunshade and heat lines on the rear wind shield, the rear view would be not perfectly recorded as a normal resolution.
- ⓫ Please remove the camera's protective plastic covers after installation.

Installation - Main Body (Front Camera)



- 1 Clean the spot on the front window where the product is installed.



- 2 Put the device where you want to place it



- 3 The constant power supply must be installed by an expert.
- Black: GND (ex. Car chassis)
 - Yellow: ACC (ex. Cigar Jack Fuse)
 - Red: Battery(+), (ex. Emergency Lamp)



- 4 Connect rear camera cable and GPS cable with the power switch turned off.



- 5 Connect DC power cable to DC port with the power switch turned off.



- 6 Turning on the power switch will bring up an intro screen.



- 7 "Caution" message shows after Intro screen.



- 8 Front image display on the screen with "Start recording" voice after booting.

※ Before building in the system completely, please check whether the front and rear videos are stored normally.

※ State check LED: Continuous mode – Green LED On
Parking mode – Green LED Off

Installation - Rear Camera



- 1 Clean the spot on the rear window where the product is installed.



- 2 Put the device where you want to place it.



- 3 Connect mini USB cable to the rear camera.



- 4 Connect mini USB cable to the main body with the power switch turned off.



- 5 Connect DC power cable to DC port with the power switch turned off.



- 6 Front image displays on the screen with "Start recording" voice after booting.



- 7 LCD screen turns to main menu when touching the screen once.



- 8 Rear image displays on the screen when choosing "Rear View" in the main menu.

It is required to take precautions installing the rear camera to the rear window, considering that the quality of video may not be as good as desired due to tinting or heating cables.

※ State check LED: Regular recording mode – Green LED On
Parking mode – Green LED Off

GUI-Descriptions (Displays)



- » After booting in driving mode, real-time image shows on the screen.
- » On screen displays, firmware version, video recording time (yy/mm/dd), video quality, voice recording on/off, GPS on/off, recording mode (REC, EVT) can be checked.
- » When PIP feature is on, front and rear images are displayed on the screen together. (PIP feature is set to off by default.)
- » The screen turns to screen saver when there is no operation for over one minute when screen saver feature is on.

● PIP Drag-and-drop

- » The user can switch the front and rear images by a touch and change the location of images by drag-and-drop on the screen.



GUI-Descriptions (Main Menu)



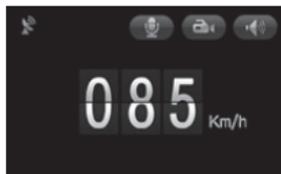
- » LCD screen turns to main menu when touching the screen once.
- » The menu screen will show eight icons for front video, rear video, image recording, LCD off, formatting, video view, system state, and setting.
- » Video/audio recording continues on main menu screen.
- » The screen turns to screen saver when there is no operation for over one minute when screen saver feature is on.

Icons	Meaning	Icons	Meaning
	Front video: Shows the front video in real time.		Format: SD formatting
	Rear video: Shows the rear video in real time.		Video view: Checks the video, recorded in the memory card, through the LCD screen.
	Manual (forced) recording: Manual recording and event files stored.		System status: Checks the state of the system
	LCD off : Turns off the LCD screen. Touching the LCD screen will turn it back on.		Setting: Sets the environment

GUI - Descriptions (Screen Saver)



[Time]



[Speed]

- » The screen turns to screen saver when there is no operation for over one minute when screen saver feature is on.
- » When screen saver feature is off, the LCD screen turns off in two minutes.
- » There are two (clock, speed) modes in screen saver.
- » Video/audio recording continues in screen saver.
- » On screen saver, the user can check and operate "Audio On/Off, Event (Driving) Mode On/Off, Speaker On/Off" and check GPS receiving status.
- » Screen saver displays driving speed when GPS module is connected. ("000Km/h" displays without GPS connection.)

● Icons on the screen saver

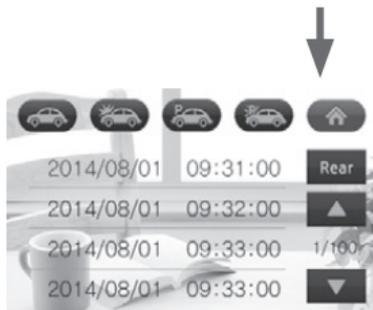
- » Except for the GPS icon, other icons for audio recording, manual recording and volume control can be pushed for setting.

Icons	Meaning	Icons	Meaning	Icons	Meaning	Icons	Meaning
	GPS ON		Audio recording (Mute Off)		Activated during the event recording		Speaker volume control (1 – 3-stage)
	GPS OFF		No audio recording (Mute On)		Deactivated during the continuous recording		No speaker sound

GUI - Descriptions (Video Play)



- » **Video Play:** The user can browse the file list in Driving, Event, Parking, Parking Event folders and play files by clicking the file name
- » Selecting and clicking a file from the list of files will play back the stored video.



Icons	Meaning	Icons	Meaning
	Driving mode file list		Back to main menu
	Event mode file list		Sorting and displaying front or rear file list
	Parking mode file list		Browsing file list by page
	Parking Event mode file list		

GUI - Descriptions (Video Play)



- » **Video view:** Checks the lists of files of continuous recording, event recording, motions detected while parked, and events recorded while parked, and playing them back directly for checking.
- » Selecting and clicking a file from the list of files will play back the saved video.

● Zooming

- After pressing "Pause" button on the play screen, touch LC D screen
- Press "Zoom" icon at the top right corner of the screen
- Touch the part of image to zoom in.



Icons	Meaning	Icons	Meaning
	Zoom Feature On		Zoom Feature Off

GUI - Descriptions (System Status)

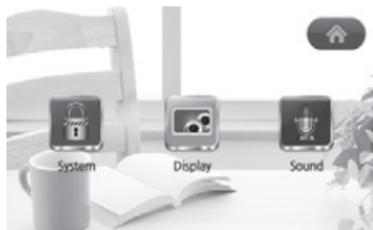


 [Menu button (Home)]

- » Format Date: the last date MicroSD memory card formatted
- » Driving Mode File: number of files recorded in driving mode
- » Event Mode File: number of files recorded in event mode
- » Parking Mode File: number of files recorded in parking mode
- » Parking Event File: number of files recorded in parking event mode
- » Firmware Version: the version of installed firmware
- » SD Card Use: used space / total space of MicroSD memory card.

[Notice] Video and audio recording stops at system status screen.

GUI - Descriptions (System Setting)



 [Menu button (Home)]

Icons	Meaning	Functions
	System Setting	sets impact sensitivity in driving, event, parking, parking event modes / (battery) power cut-off / parking mode SD card use, time
	Display Setting	sets coordinate correction, PIP, screen saver, rear image flip
	Audio Setting	sets audio recording, volume

GUI - Descriptions (System Setting)



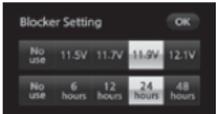
<< [Previous]

🏠 [Menu button (Home)]

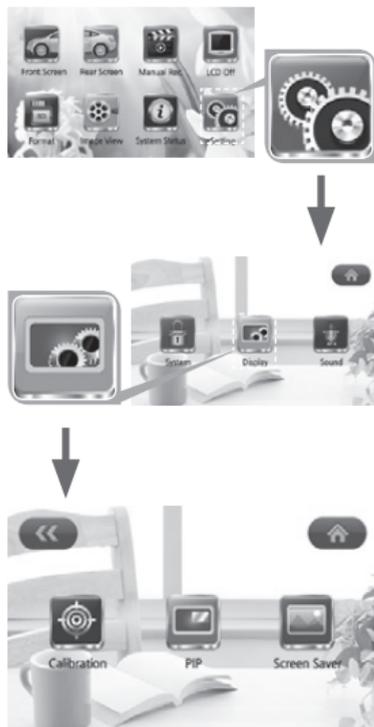
Icons	Meaning	Details	
	Impact Sensitivity at Driving Mode	Dull - Normal - Sensitive	
	Impact Sensitivity at Parking Mode	Dull - Normal - Sensitive	
	Motion Detection Sensitivity	Dull - Normal - Sensitive	

 [Previous]

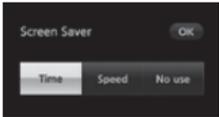
 [Menu button (Home)]

Icons	Meaning	Details	
	(Battery) Power cut-off setup by voltage & time	- Voltage: Off, 11.5V, 11.7V, 11.9V, 12.1V - Time: Off, 6hr, 12hr, 24hr, 48hr	
	SD card use allocation setup for parking mode	0%, 25%, 50%	
	Time setup	year, month, day, hour, minute	

GUI - Descriptions (Display Setting)



⏪ [Previous] 🏠 [Menu button (Home)]

Icons	Meaning	Details	
	Coordinates correction	For correcting touch coordinates	Correction will be completed when pushing the five points shown on the screen (The top left, the top right, the bottom right, the bottom left, center of the screen)
	PIP on/off setting	For turning on and off the PIP function	
	Screen saver setting	Display of time, display of speed, and disabled	

GUI - Descriptions (Audio Setting)



◀ [Previous] 🏠 [Menu button (Home)]

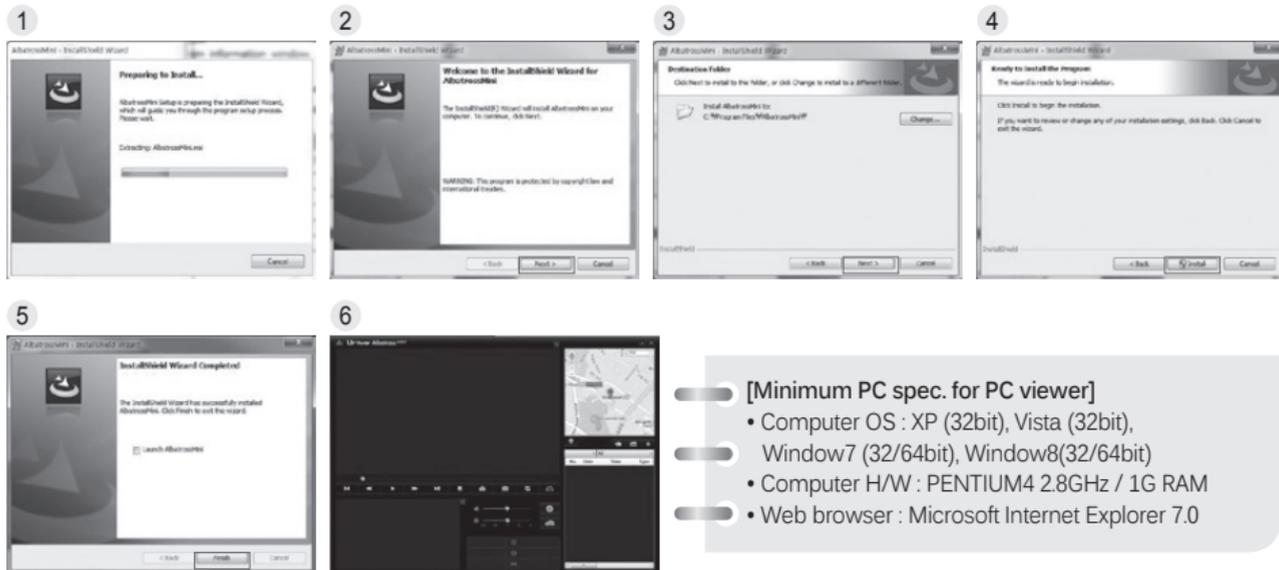
Icons	Meaning	Details	
 	Audio Recording	Voice recording or Mute	
	Volume	Speaker Volume setting	

Voice Guidance

Voice	Description
Recording Start	- After booting - After checking system status - After system setting completed - After video playing completed
Recording Stop	- When "video playing or system status or system setting" chosen - When system format starts
Check SD Card	- When SD card missing or SD card error
Turning to Driving Mode	- When the system turning to driving mode from parking mode
Turning to Parking Mode	- When the system turning to parking mode from driving mode
Unable to Start Parking Mode	- When parking mode SD card allocation set to "0"
SD Card Format Start	- When formatting SD card
Please Format SD Card	- Voice guidance requesting regular SD card format once every 15 days
Parking Impact File is Created	- When impact file is created while parking after the system turned to driving mode
Camera Error	- When camera sensor error occurs
GPS is Connected	- When GPS signal is received at driving mode (Only once)
LCD Auto Saver Activated	- When LCD off at driving mode due to high temperature - When the LCD screen touched at high temperature
Recording continues normally LCD Turns On After a While	- Notifying LCD Auto Saver activated (Once at driving mode)
Parking Mode	- When the LCD screen touched at parking mode

PC Viewer Installation

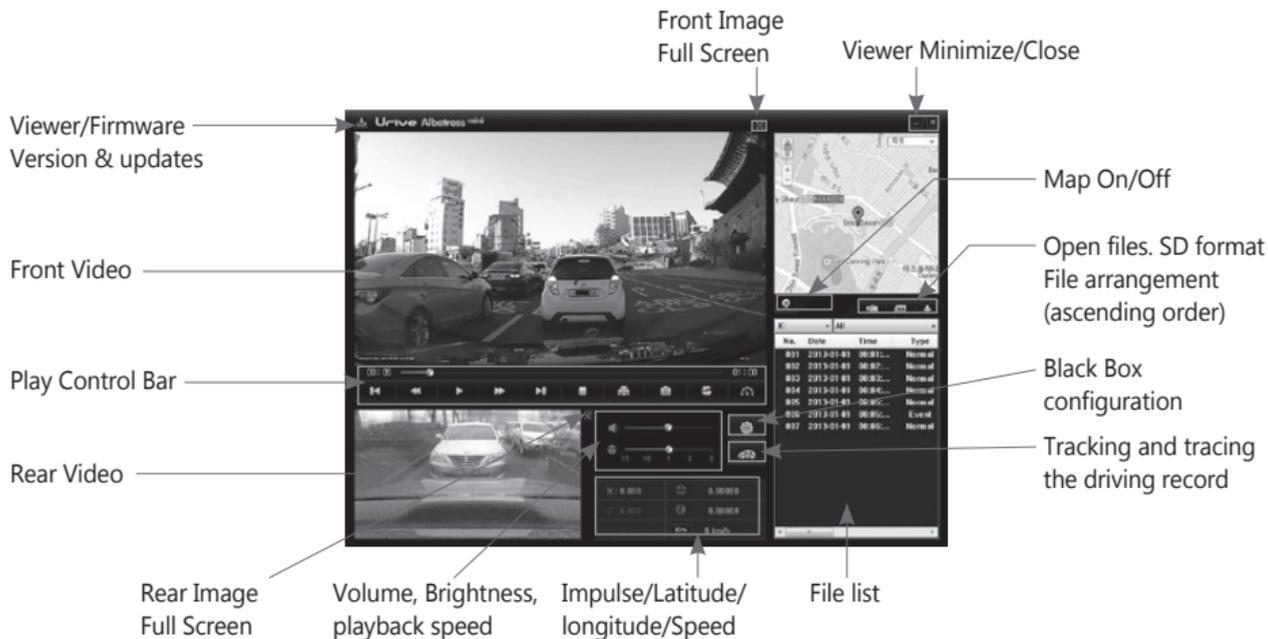
1. Connect the MicroSD memory card with MicroSD card reader to the PC and execute the "AlbatrossMini.exe".



[Minimum PC spec. for PC viewer]

- Computer OS : XP (32bit), Vista (32bit),
Window7 (32/64bit), Window8(32/64bit)
- Computer H/W : PENTIUM4 2.8GHz / 1G RAM
- Web browser : Microsoft Internet Explorer 7.0

PC Viewer - Main



- Latitude / longitude/speed/map information can be displayed with GPS module(option).
- Picture quality(H) or (L), Mute (M)and GPS (G) are displayed at the bottom of the screen.

PC Viewer - Viewer Buttons



Program version information This button is for going directly to the Urive homepage and shows viewer, firmware version information. Users can check the version information and update the viewer and firmware by connecting Micro SD to PC.

Caution) when the viewer and firmware are downloaded, Please choose "Unblock" button during "Windows safety warning" pops up.



Full Screen button It changes front or rear to full screen.



Return to Main screen It switches full screen play mode to viewer main screen.



Minimize button It minimize the viewer to task bar.



Viewer exit button For ending the specific PC viewer.



The previous file / next file play button Users can go to previous file and next files with that buttons.



Moving buttons to previous frame/next frame Pause of video images and moving to previous frame / next frame unit.



Play start Playing a file at the list and restarting the pause video.



Pause



Stop the play



Screen print Printing the whole screen of the viewer.



Screen capture Saving the full screen at the viewer as a JPG file.



Volume control Control the volume up to 10.



Control the play speed Control the play speed as 1/4, 1/2, 1, 2, 4.



G-force/Velocity Graph These are toggle buttons which are used to display acceleration and velocity graphs, respectively. The velocity graph is available only when the GPS module (optional) is mounted.



Driving History This button is used to display information on the driving history. The information is available only when the GPS module (optional) is mounted.



Black Box Setting This button is used to store setting of the Black Box in the SD Card. This is enabled only when the SD card is connected to your PC.



Display/Hide Map This button is used to display the information on the driver's location on the map in playback mode. This function is available the GPS module (optional) is mounted.



File open This button is used to open a video file (multiple files can be selected simultaneously if the Shift or Ctrl key is pressed and held).



SD format and check This button supports to fix errors of the SD card, or to retrieve poor sectors and to format the SD card. But format is available before playback. If a file is being played, the SD card can be formatted only after the Viewer is restarted.



For shifting between front and rear videos Can change the locations of the front and rear videos on the PC viewer.



For showing the acceleration and speed graphs Pushing the button will pop up the acceleration and speed graphs.



For changing the arrangement of the list of files Can change between the ascending and descending orders for arranging the list of stored video files.

Black-box configuration

[Configuration]

- **Black Box configuration:** when users press  button in the viewer main screen, it shows configuration window like below. It is separated with time, screen, voice/image and user setting tap.

1. Connect the MicroSD memory card with MicroSD card reader to the PC.
2. Select the  button on the Viewer Main screen. select the drive on connected to a memory card.
3. Driving impulse setup : Set up a degree of impact by which an event recording is activated. Select either 'Fast setup' or 'Manual setup'. Fast setup is sensitive, normal, in sensitive of the three stages can be selected.
4. Parking mode shock level setting: For setting the level of shocks to record events when shocks occur while parked. The user can select from high, medium and low levels.
5. Parking mode motion detection sensitivity setting: For setting the level of sensitivity to detect motions while parked. Can select among high, medium and low levels.



-
6. Blocking voltage setup : Blocking voltage setup is reference voltage setup and separated by a timer set. The reference voltage setup is [11.5V], [11.7V], [11.9V], [12.1V] to available as a choice to step 4. timer is 6 hours, 12 hours, 24 hours, 48 hours can be selected in four steps. Select one among total eight steps.
 7. Parking mode memory usage setting: For determining the SD card memory usage that will be applied in the parking mode (Selects from 0%, 25% and 50%)
 8. Power off for preventing the device from hi temperature: The Power off coursed of high temperature over 5minuits in the driving mode.
 9. When you click the Save button after you select this, the environment setting is finished.

[Screen setting]

1. When the screen setting tab is selected, users can determine whether to use the PIP function, the screen saver and the rear video shift function.
2. PIP Mode : Functions to check live videos of the front and rear view in a LCD screen simultaneously. The use of this mode can be set.
3. Screen Saver : Functions to turn the current screen to a basic screen displaying only information of a current time, GPS reception status, mute status, event storage status, etc. after the set time has passed without any input or touch action. As soon as you touch the basic screen that screensaver is on, the basic screen turns back to the previous video screen displaying video image of the front or rear view. In the Screen saver status, if there is touch signal during 2 minutes, the LCD is turned off automatically. When the device's LCD is turned off, the main device switch to screen saver mode by detecting any touch signal.
4. Rear video shift: This function is for shifting the rear side video stored in the black box, between the left and right sides on the screen. Can be set to enabled or disabled.

! <Caution!>

When the rear video shift function is set, the recorded rear video can be shifted, while the rear video shown on the LCD screen will not be shifted.



5. After completing selections of modes, press save button to save the selected settings.

[Time setting]

1. Time Settings tab, the black-box time settings and standard time settings are available.
2. Standard Time Setup : The GMT can be set by country. The PC system time is loaded and recognized as the standard time. (Standard Time of South Korea – GMT +09:00 Seoul)
3. When you click the Save button after you select this, the environment setting is finished.

[Reference] how to setting the time on the device

Main menu – system setting – time setting



[Voice/image setting]

1. When the audio/video setting tab is selected, it will be possible to set the quality of videos in the continuous mode as well as in the parking mode, and set whether to carry out audio recording, and also set the speaker volume.
2. Video quality: The quality of the videos, to be stored while in the continuous (driving) as well as in the parking mode, can be set at high or low level. If the quality is enhanced, it will be possible to see video more clearly in high quality. However, the file size will grow and the storage time will be shortened.

<Caution>

It is required to be set after formatting the memory card if needed to change the video quality.

3. Audio recording: The black box is designed to record the video and audio at the same time. When the audio recording is disabled (Mute), only the video will be recorded while not recording audio.
4. Speaker volume: The sound output for the voice notification and video playback can be set. It can be set to be mute or stage 1, stage 2 or stage 3. The higher the stage goes, the louder the sound becomes.
5. After completing selections of modes, press save button to save the selected settings.



[User setting]

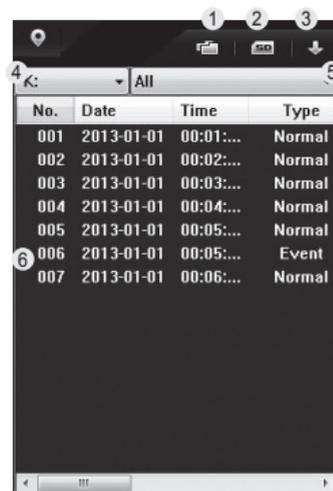
1. By selecting driver setting tab, you can set driver information and license number of the vehicle. This is a useful function when a separate memory card is used for each driver.
2. After completing selections of modes, press save button to save the selected settings.



PC Viewer - Play List

- The video data, recorded by the black box and then stored in the micro SD card or in a computer, can be selected and played back all or by type and. The list of files can be arranged in ascending or descending order.
1. Remove the micro SD card from the black box and connect it to a computer.
 2. The viewer, specifically designed for the product, will recognize and search all the black box video data automatically and show them in a playback list, as shown on the left side.
 3. Can select the types of videos for playing back. It is possible to select all the videos, or select them by group, such as continuous file, event file, parking file, parking event file, or according to user's own selection.

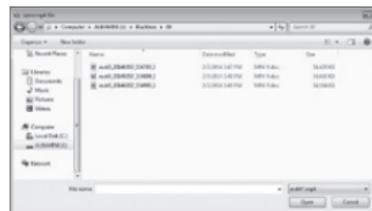
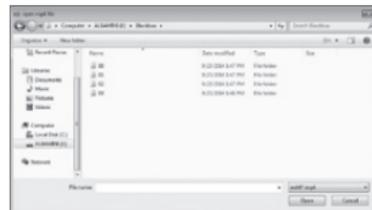
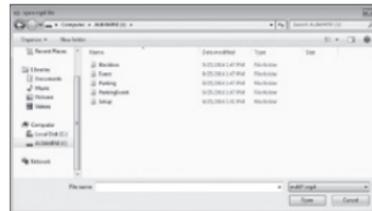
Items	Meaning
① Open files	Individual files of videos can be selected and played back (Type – Same as in the case of User's own selection)
② Format and recover SD	The SD card can be formatted, checked and recovered.
③ Descending order/ Ascending order	The videos in the playback list can be arranged in descending or ascending order.
④ Location of videos	The SD card can be located and selected.
⑤ Types of videos	Differentiated as all, continuous file, event file, parking file, parking event file and user's own selection
⑥ Playback list	Files that can be played back can be identified in the order of their numbers.



PC Viewer - File Open

- Replaying stored video images : By opening a black box file in a specific folder, replay starts as it enters to the file list automatically. If you want to replay a specific file, press replay button after selecting the file you wish to reply in a file list.

- Connect the MicroSD memory card with MicroSD card reader to the PC.
- Press  button on the main viewer window.
- Select the drive for the SD card.
- Choose file(s) to play. You can choose multiple files with "Ctrl" or "Shift" key.
 - Blackbox Folder: Files for Driving Mode recording
 - Event Folder: Files for Event (Impact) recording
 - Parking Folder: Files for Parking Mode Motion Detect recording
 - Parking Event Folder: : Files for Event (Impact) in Parking Mode Recording
- Choose a file/files in the list and press  or double click the file.



PC Viewer - SD Card Format and Restore

1. Take Micro SD card out of the black box and connect it computer.
2. If you select  button in main screen of viewer, SD format tab where Micro SD card can be formatted will appear as shown in the picture of (1).
3. Format Drive : Confirms the location of a drive Micro SD card is loaded.
4. Information window asking for confirmation or cancellation of format will be popped up when format start button is pressed.
5. If you press confirm button, SD format window will be seen. Information on the volume of Micro SD card, type of file system, current allocation unit and allocation unit after format will also be seen and the name of SD card will be automatically assigned as "AlbaMini". Format will be started upon pressing start button. "quick format" is also supported. It may take a long time for SD card to be formatted depending on the specification of PC in " normal format".

<CAUTION>

- - Allocation after format: When a normal format is done on your PC, select 32KB.
- For using the 64GB SD card, Format it on the PC viewer and the main body for its stable use only.

6. Window indicating the completion will be seen when format is completed. Press confirm button and close button to end the procedures for formatting Micro SD card

- 

1. The SD format dialog box is displayed. The "Format" button is highlighted with a dashed box.
- 

2. The "SD format(X)" dialog box is displayed. The "Start" button is highlighted with a dashed box.
- 

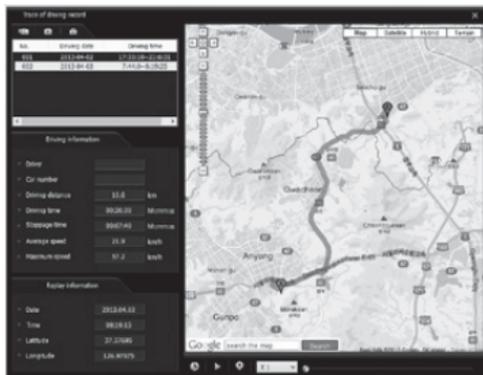
3. A warning dialog box is displayed. The "OK" button is highlighted with a dashed box.
- 

4. A dialog box is displayed indicating that the format has been completed. The "OK" button is highlighted with a dashed box.
- 

5. The "SD format(X)" dialog box is displayed. The "Close" button is highlighted with a dashed box.

PC Viewer - Driving Record Trace

- When the GPS module is connected to the car DVR main body, the system saves driving record every 10 seconds. Each “dat” file keeps one month of driving records. GPS module which is an option item should be installed to support this feature.



1. Take Micro SD card out of the blackbox and connect it computer.
2. If you press  button in main screen of viewer, window showing the trip record (picture on the left) will appear.
3. Press  button in the picture on the left, the list of driving record sorted by date will appear in a line if you select files with extension of dat. in the setup folder of Micro SD card.
4. If you click the item in the list you want to review, the relevant driving route is shown in the map on the right.

Note : Stoppage time is not included in trip time and parking time is not included in stoppage time in the map on the left.

Reference) 5 dat. Files are max. saved only

- This table is explanation for icons in the “shuttle history trace” window.

Button	Description	Button	Description
	To Open Setup folder Of Micro SD having Driving history files(extension .dat)		Move the selected item from the list of paths on the map in order to play.
	At the map screen to save the file as 'jpg'.		To marking on the route path during playback.
	To print the map screen.		Route play as 1/2, 1, 2, 4 speed
	To Show recording date and time During playback		To exit the tracking system.

PC Viewer - Full Screen

- Click the switching button at the top of the viewer to view the full screen of front/rear images.



- Full screen mode :  button in top of Viewer, will to change to the full screen mode.
- Return to the screen : To return to the previous screen in full screen,  button clicked will return to the main screen window.
- Full screen :  button shows the videos as a full screen.

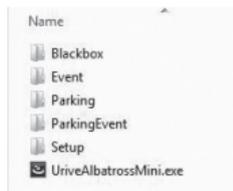
4. Standard screen  front : 1280x720, rear : 1280x720

5. Clicked  button In full screen do not switch to the main screen and the Viewer program will end.



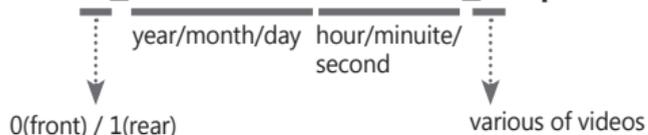
PC Viewer - File folder's structure

1. Blackbox Folder: Driving Mode Folder. Files are recorded by one minute.
2. Event Folder: Driving Mode Event Folder. Files are recorded for 20 seconds (10 sec before impact and 10 seconds after impact)
3. Parking Folder: Parking Mode Motion Detection Folder. Files are recorded for 20 seconds (10 sec before detection and 10 seconds after detection)
4. Parking Event Folder: Parking Mode Impact Folder. Files are recorded for 20 seconds (10 sec before impact and 10 seconds after impact)
5. Setup Folder: User Folder
6. UriveAlbatrossMini.exe: PC viewer installation file.



• EX) Video file

mdr0_20140201093025_1.mp4



• various of videos

- I : a driving file
- E : a driving event file
- P : a parking motion detection file
- A : a parking event file

PC Viewer - Each file size and saving capacity

- Recording files can be stored as following its amount of quota for regular files, event files, parking files and parking event files. There might be some differences depending on the memory card characteristics.

Class	16GB / 32GB / 64GB		
	Parking 0%	Parking 25%	Parking 50%
Driving (Event)	90% 10%	65% 10%	40% 10%
Parking (parking Event)	0% 0%	20% 5%	45% 5%

Note) 1. When free space of memory card is less than 1GB at booting (800MB while recording) the system overwrites sequentially from the oldest files to record and save the latest driving, events and parking surveillance regardless of the volume limit of memory card.

2. File Size (Front + Rear)

- Video Quality "High": Driving File (1 min, approx 102MB), Event File (20 sec, approx 34MB), Parking (Event) File (20 sec, approx 34MB)
- Video Quality "Low": Driving File (1 min, approx 72MB), Event File (20 sec, approx 24MB), Parking (Event) File (20 sec, approx 24MB)
- The file size may vary depending on its environment.

<Notice>

- Motion detection video images may be stalled and cut Intermittently in parking mode according to environment conditions.
- Parking impact recording files are saved separately as event files up to 5% of memory space.
- It is highly recommended to use Urive genuine MicroSD memory card. Urive shall hold no liability for problems incurred in connection with the use of other memory card
- In the Parking mode, recording is triggered only when a motion or an impact is detected. Thus, the number of recorded files and recording time vary depending on the parking environment. The maximum number of files that can be saved is determined by the parking mode's SD usage (0%, 25% or 50%) for the parking mode as selected on the PC Viewer.

Technical Specifications

Product Name	Urive Albatross Mini
Size	92.6 x 55.1 x 33.8 mm (Main Body without holder) / 59.2 x 24.5 x 27.2 mm (Rear Camera)
SD Card Memory	Urive Genuine microSD SDHC Card Class 10 (up to 64GB)
Recording Type	Driving / Event / Manual (Forced) / Parking / Parking Event
Front Camera	2 Million Pixels (HD, 1280x780) View Angle: 120° diagonal
Rear Camera	2 Million Pixels (HD, 1280x780) View Angle: 105° diagonal
LCD	3 inch Full Touch TFT-LCD / Resolution 400x240
Saving Frame	Driving Mode : 2CH - Front Max. 30 fps / Rear Max. 30 fps (1CH - Max. 30 fps) Parking Mode: 2CH - Front Max. 30 fps / Rear Max. 30 fps (1CH - Max. 30 fps)
Saving Resolution	Driving Mode - Front 1280 x 720 / Rear 1280 x 720 Parking Mode - Front 1280 x 720 / Rear 1280 x 720
Video	Format H.264 / mp4
Audio	Built-in MIC / PCM
Speaker	Voice Guidance
Shock Sensor	3-axis acceleration shock detection sensor
Security LED	Front/Rear High Brightness BLUE LED (Blink)
Status LED	High Brightness Green LED ON in Driving Mode / OFF in Parking Mode
G P S	The exterior port for GPS / U-BLOX6 (Option)
Input Voltage	DC 12V / 24V
Power Consumption	Max. 4.1W (with LCD On, GPS, Rear cam)
Operation temperature	-20°C ~ 70°C
Storage temperature	-40°C ~ 85°C
Viewer compatible OS	Window XP/ Vista/ Windows 7/ Windows 8

※ Product appearance and specification may change without prior notice for further improvement.

Warranty

Urive Products are covered under warranty for a period of 1 year.

Components and consumable parts other than the main body are covered by a separate warranty.

- The warranty service will be provided based on what is described in the warranty.
- The warranty period will be calculated from the purchased date, so, users must get the purchased date filled.
- If replacement is required, all the replacement parts will be new ones or similar ones as long as their functions are similar to those of new ones.
- MiDong E&T is not responsible for repairing, replacing, or refunding until a faulty product is returned.
- Users are required to keep the warranty and the product number well as they are not to be reissued.
- Be careful about copy products as the company does not provide services for the products that are not authentic.

Warranty Card		
Product Name	Urive Albatross Mini (MD-7200E)	
Certification	FCC, CE	
Serial No.		
Warranty period	1 year from the purchased date of	
Sold by	Name :	Telephone :
	Address :	
Customer	Name :	Telephone :
	Address :	

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Urive Albatross **mini**

